

Title (en)
METAL OXIDE SENSOR FOR DETECTING NITROGEN OXIDES

Title (de)
METALLOXIDSENSOR ZUR FESELLUNG VON STICKOXIDEN

Title (fr)
DETECTEUR A OXYDE METALLIQUE PERMETTANT LA DETECTION D'OXYDES D'AZOTE

Publication
EP 1042666 A1 20001011 (EN)

Application
EP 98959588 A 19981201

Priority
• US 9825118 W 19981201
• US 7027297 P 19971231

Abstract (en)
[origin: WO9934199A1] A sensor system is disclosed for detecting nitrogen oxides in a flowing gas stream, having a sensor oxidation catalyst capable of both oxidizing CO and NO in the gas sample to CO₂ and NO₂, respectively, which is incorporated into the system so as to oxidise the CO and NO in the flowing gas stream prior to the gas stream contacting a metal oxide semiconducting sensor; an n-type semiconducting metal oxide sensor, whose electrical resistance varies in relation to the concentration of nitrogen oxides in the flowing gas stream.

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Citation (search report)
See references of WO 9934199A1

Cited by
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